Chrid - middle coat. - contains blood messels merges in ciliary broky aliry body - muscle-fittes & mascular spaces. Suspensory bijament - attached to coliny body - supports lens & inis. - cataract - Spagneness of lenes Dris - pros disphragm controlling, light - muscles contain different amounts - muscles atranged circularly + Circular muscles - contract - constrict popul Ratial - highly specialized ends of office nerve macula lutea - increased no. of cells.

I men centralis - reduced

- seneral largers of cells, connect

mith terminal fibres of fetic neme. Office more - leanes as one fibre - nemes cross at optic chiasma to colcarine area of brain anterior chamber -- hymph - like agreens hums Poteris chimber. - filly - like mitrems humaxe. Hydrid const. - from optic nime to posterior part of line

muscles of Eye. 6 missles . \* straight - superir rectus - up internal rectus - in inferior redus - down internal rectus - mt 2 Aligne - superior oblique - the pully-trusts infrist shippe - unthant pulley shot - shot where ofthe name leves eye Visin - defendent whom light sup falling, upon sinsitive fistims when cells of retine re stimulated impulses carried to brain & mesee. Visin deputs. 1) depots in eye. 2) defects in office tract 3) defects in brain never so It - lens accomodates to focus.

Monel vision - light focuses mithent change. Amothel insion - ametropie. 1) astigmatism imperfect correcture 2) Prishyopia - diminished elasticity, Ammymus hemienstris -loss of mision to right half of use

- defends on pressure & no. of libres unstred. Presure on neme - hemorthage, tunor (heterony mons) In pront of chiasma - I faulty eye Repets in brain.
Injury to decher tracts of Aptie name.
Assturbance in moual area of
occipital lokes. For mission must menin hy hygiene Syes - lye-strein Diet - wellow prigment necessary. Pinking - impetion.

Entirel anditor rgans - megaphone - lined with pairs. - man scoreted . coencer. EXTERNOL ENGLISH TORE. TO PH ARYNX. hor functions: 1) hearing, 2) equilibrium Michening of extoderm on wells Sac - upper + lover portion. 1) utrientus - semicircular canals y sacculus - internal ear. Enternal ear-- composed mainly of cartilage.

- arranged to conduct sound manes
to opining, enternal auditry meature
Enternal auditry canal. - from meature down, powerd & inward to drum membrane. - cartilaginous & membranons for first part rimsinder tomy. - lined with shin -(ciruminous glands - wan) 343

middle car-Zympanic carity -- lies in temporal time. - contains 3 small bones. 1) malleus - attached to drum ment 1) ineus - articulation D+0 s) stapes - fits into finestra malis on mesial well. misist well - fring, (finestra rotundum) - contred but membrane - ontlet for mihrations. - lined with meens membrine. antrum - opening to mistoid cells

- time it poterior to cancellous

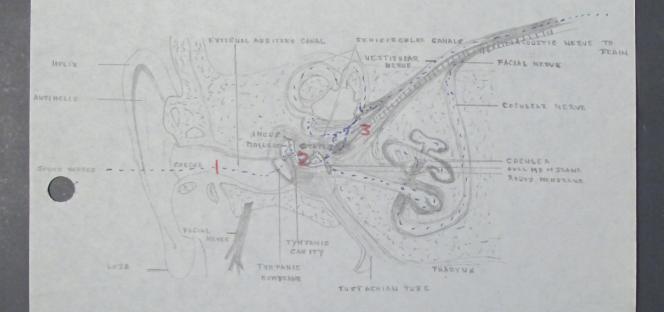
- hille to infection in cancellous time tissue from typopanic country. Enstaching take - from middle ear to naso-pharyna - fast in home - part in cart & member - 'z" long - dismeter 3 mm. - lined with muchs membrane. - transmition of air. Mac - equalizes pressure of middle ist & outside drum membrane Internal est. -enternal + middle ear tring mund wines to inner us! Rinns collects weres, directs them into internal a menters, they strike drum membrane - this membrane sits in motion by nitration the 3 times.

ampulla- ridges on inner surpaces, cells of marying, height - hair - like processes. - canitag filled with endolymph - morement armsis impulses in restituter division of anditory newe - sinks them to ceritellum. - cr-Admates with impulses from muscles which give musele sinse lypaph - wellear and. SCALA VESTIBULA. SCALA MEPIA SCALA TYMPANON Basiler membrane - true roand Corti contained. AUDITORY MERVE . allows be inpassion + motion.

Sund Exitch - lom - long wave lengths.
high-skrt " ... Theality of timbre- hind of sound.
-difference in shake of manes. Fordness - height of note - land. Simi - circular canals. - 3 dimensions. hollow tired with membrane. - contain lonery material - stimulates hier on membrane. - used of belance Appiene - hup ears dean - avaid water + insects in errs. (lambound socked in oil) Insset - attract it by at light oil. Olfactory nerves.

-react to chemical stimuli mut-front litter-tech

PIAGRAN OF THE EAR



1.2.3. HENDING MAY BE INTERROPTED

which armses receptor cells of internal ear to activity. my parts of internal car. 1 spilibrium & 1 hearing Herring - through apparatus arranged in spiral - shaped canity cochlea. Cochles - in temptal home filled with hymph (perilymph) - in prilymph fints (mintranons cochles) - in membranous cochlea is hymph (indolymph) Cells which receive sound weres are a group, the organ of Corti. membranous cochlea attached to process of home in spiral cre of tony cohlea - Ligins near opening of status (finestra oralis) of ends in spiral turn of 2's times: - main part - organ of Corte Organ Costi - grown of cells containing - mer them projects membrana tectoria - cochlear dinision of auditory nume rusches ryan of C. through internal auditory canal. cross-section of membranous cochlea - 3 dimerms (yerilymph) scala nestibula o scala typpani (lymph) cochlear canal.

Reissners memtrane - separates poul restiluti from cochlea canal. Am est hears. - organ of Corti stimulated by mibration communicated to purilymph by movement of stapes in finestra oralis. - mbration stortes in scala restituli of continues to descend over scala tympani Finestra rotundum - tota perments tack nibrations - moment of perilymph easily communicated to endolymph. - mitration of endolymph sits in motion membrana tectria - it mores up + down hair - tibe - this movement stimulates reaptor cells of auditory nerne - impulses
religed to the brain.
Infulses on M. side of M. internal ear
taken to r.V. side of brain. Equilibrium -3 comale - 1) superist me another. 1) posterior 3) porgontal - developments from uticle - near uticle smilling ampulla



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